

**NAVY PUBLIC WORKS CENTER
DETACHMENT PHILADELPHIA**

STANDARD OPERATING PROCEDURE

Inspection, Test and Certification of Rigging Gear

PROCEDURE NUMBER 500.39

DISCLAIMER: These Standard Operating Procedures (SOP) are for the exclusive use of NAVY PUBLIC WORKS CENTER (PWC) NORFOLK DETACHMENT PHILADELPHIA. They are promulgated as guidance for other NAVFAC COMMANDS. If intended to be used by other Activities, they must be tailored to each Activities particular requirement and must be reviewed/approved by the activities Safety Professionals prior to use.

Preparer: _____ ***(Date)***

Approved: _____ ***(Date)***

Safety Professional: _____ ***(Date)***

Department Head: _____ ***(Date)***

Officer in Charge _____ ***(Date)***

Standard Operating Procedure
500. 39
Inspection, Test and Certification of
Rigging Gear

1. Purpose: This SOP shall be used for the inspection and certification of rigging gear. (Slings, shackles, chain falls and lifting fixtures.)

2. Background:

To provide safe and serviceable equipment in accordance with NAVSEA and NAVFAC regulations.

- a. Hazards:** Cut hands, fingers and pulled muscles (Back, legs, arms)
- b. Causes:** Structural or mechanical failure, which could drop the load, resulting in the equipment damage and/or injury to personnel.

3. References:

- a. NAVFAC Manual P 307**
- b. NAVSEA Manual OP-5**
- c. NAVSEA Manual sg420-ap_mma-010**

4. Tools and PPE:

Eye, Foot, Hand, Head and Hearing Protection required. Calipers, Forklift Truck, Crane, and Pull Test Machine is required.

5. Procedures:

- a.** A safe test area shall be selected and unauthorized personnel and equipment shall be cleared from the test area.
- b.** All rigging gear shall be inspected and tested in accordance with references a through c. as appropriate, for the specific equipment being tested.
- c.** A visual inspection of the rigging gear shall be conducted prior to load test.
- d.** Only certified weights and /or pull test machine shall be used to conduct load test.
- e.** Calipers shall be used on wire rope slings to determine size and condition of wire.
- f.** Any deficiencies found shall be corrected prior to load test. Any equipment not repairable shall be remove from service.

- g. Assure the pull test machine safety guards are properly positioned before load testing.
- h. A visual and operational inspection shall be conducted after load test.

6. Training, Certification Calibrations and Record Keeping.

- a. A valid government license shall be in operator's possession for the equipment operated.
- b. Qualifications for the pull –test machine will be achieved through “on-the- job” training
- c. A valid certification for all weights used. Certification records are maintained by the owning Activity.

7. Pre- Use Inspection

The pre-use Inspection is an inspection done on all rigging gear equipment prior to use by user. There is no documentation required for pre-use inspections.

- a. The inspection must verify the rated load of the equipment.
- b. It must ensure the equipment has the proper, legible markings.
- c. Never use equipment that does not pass the pre-use inspection.
- d. Remove from service all gear that fails inspections.

NOTE: The inspection ensures the equipment's condition is usable and is not damaged/worn beyond allowable limits. _____